

50
GENERAL ELECTRIC
SWITCHGEAR OPERATIONS

JANUARY 12, 1988

ELECTRICAL DISTRIBUTION AND CONTROL
510 AGENCY ROAD
P.O. BOX 488
W. BURLINGTON. IA 52655
319 753 8508 DC* 8 673 6508

MR. GENE EVANS:

ATTACHED IS THE SWITCHGEAR OPERATIONS "INFORMATION REGARDING POTENTIAL RELEASES FROM SOLID WASTE MANAGEMENT UNITS" DOCUMENTATION AND CERTIFICATION. I HAVE INCLUDED A COPY OF THE PLANT SITE MAP AND A MORE IN DEPTH PLANT LAYOUT THAT INCLUDES COLUMN LOCATIONS TO MORE ACCURATELY INDICATE SWMU LOCATIONS.

ATTACHMENTS FOR HAZARDOUS WASTE MANAGEMENT ON SITE (2), AND OPERATING LOGS HAVE ADDITIONAL RELEVANCE FOR UNDERSTANDING THE PLANT SYSTEMS.

SINCERELY,

Christopher A. Boehm

CHRISTOPHER A. BOEHM
MGR. SHOP SUPPORT, SAFETY AND ENVIRONMENTAL PROTECTION

cc: S. BARBAGIOVANNI

RECEIVED
JAN 17 1989
IOWA SECTION



R00323959
RCRA RECORDS CENTER

1.a.

1.a. WASTE WATER TREATMENT SYSTEM - (SEE LAYOUT)

- | | | | |
|-------|---------------------------|-----------------|-----------------------|
| b. 1. | TANK 6 | SIZE 2,700 gal. | TYPE FRP ACCUMULATION |
| 2. | TANK 7 | SIZE 4,700 gal. | TYPE FRP ACCUMULATION |
| 3. | SATELLITE ACCUMULATION | SIZE 1 cu. yd. | TYPE NYLON SACK |
| 4. | OVEN (THERMAL DEWATERING) | SIZE 4'x 4'x 6' | TYPE ELECTRIC |

DATES IN USE

- | | | |
|-------|---------------------------|------------------------|
| c. 1. | TANK 6 | AUG 1, 1978 TO PRESENT |
| 2. | TANK 7 | AUG 1, 1978 TO PRESENT |
| 3. | SATELLITE ACCUMULATION | JUNE 1, 1983 |
| 4. | OVEN (THERMAL DEWATERING) | JUNE 1, 1983 |

QUANTITY AND TYPE OF WASTE MANAGED

- | | | |
|-------|---------------------------|--|
| d. 1. | TANK 6 | 2700 gal/3 mos, ALKALINE CLEANERS |
| 2. | TANK 7 | FLOW THROUGH TREATMENT PROCESS ~ 38k gal/day, F006 |
| 3. | SATELLITE ACCUMULATION | 1cu.yd./ 2wk F006 MAT'L. |
| 4. | OVEN (THERMAL DEWATERING) | 3cu.yd./ 2wk F006 MAT'L. |

KNOWN RELEASES

- | | | |
|-------|---------------------------|-------------------|
| e. 1. | TANK 6 | NO KNOWN RELEASES |
| 2. | TANK 7 | NO KNOWN RELEASES |
| 3. | SATELLITE ACCUMULATION | NO KNOWN RELEASES |
| 4. | OVEN (THERMAL DEWATERING) | NO KNOWN RELEASES |

TEST RESULTS

- | | | |
|-------|---------------------------|----|
| f. 1. | TANK 6 | NA |
| 2. | TANK 7 | NA |
| 3. | SATELLITE ACCUMULATION | NA |
| 4. | OVEN (THERMAL DEWATERING) | NA |

CORRECTIVE ACTION MEASURES

- | | | |
|-------|---------------------------|------|
| g. 1. | TANK 6 | NONE |
| 2. | TANK 7 | NONE |
| 3. | SATELLITE ACCUMULATION | NONE |
| 4. | OVEN (THERMAL DEWATERING) | NONE |

1.a.

1.a. FINAL PAINT (SEE LAYOUT)

- b. 1. PAINT BOOTH 20'x18'x34'. TYPE PAPER FILTER BOOTH
 2. SATELLITE ACCUMULATION SIZE (2) 55gal bbl. TYPE DOT 17H

DATES IN USE

- c. 1. PAINT BOOTH DEC. '79 TO PRESENT
 2. SATELLITE ACCUMULATION DEC. '79 TO PRESENT

QUANTITY AND TYPE OF WASTE MANAGED

- d. 1. PAINT BOOTH 8.98 lbs/hr. F001,F003
 2. SATELLITE ACCUMULATION (1) 55gal bbl. EA. OF F001,F003

KNOWN RELEASES

- e. 1. PAINT BOOTH .054 lbs./hr.
 2. SATELLITE ACCUMULATION NO KNOWN RELEASES

TEST RESULTS

- f. 1. PAINT BOOTH NA
 2. SATELLITE ACCUMULATION NA

CORRECTIVE ACTION MEASURES

- g. 1. PAINT BOOTH NONE
 2. SATELLITE ACCUMULATION NONE

1.a.

1.a. RCRA STORAGE AREA (SEE LAYOUT)

b. 1. SAFETY STORAGE BLDG.	SIZE 20'x 8'	TYPE DOT 17H
2. HAZARDOUS MAT'L. STOR.	SIZE 72'x40'	TYPE DOT 17H

DATES IN USE

c. 1. SAFETY STORAGE BLDG.	JAN.'89
2. HAZARDOUS MAT'L. STOR.	JAN.'89

QUANTITY AND TYPE OF WASTE MANAGED

d. 1. SAFETY STORAGE BLDG.	SEE ATTACHED	> ATTACHMENT "1"
2. HAZARDOUS MAT'L. STOR.	SEE ATTACHED	

KNOWN RELEASES

e. 1. SAFETY STORAGE BLDG.	NOT KNOWN
2. HAZARDOUS MAT'L. STOR.	NOT KNOWN

TEST RESULTS

f. 1. SAFETY STORAGE BLDG.	NA
2. HAZARDOUS MAT'L. STOR.	NA

CORRECTIVE ACTION MEASURES

g. 1. SAFETY STORAGE BLDG.	NONE
2. HAZARDOUS MAT'L. STOR.	NONE

1.a.

1.a. DEGREASER

(SEE LAYOUT)

- b. 1. VENT SIZE 800 cfm TYPE CENTRIFUGAL
2. SATELLITE ACCUMULATION SIZE (1) 55gal bbl. TYPE DOT 17H

DATES IN USE

- c. 1. VENT DEC.'79 TO PRESENT
2. SATELLITE ACCUMULATION JAN.'80 TO PRESENT

QUANTITY AND TYPE OF WASTE MANAGED

- d. 1. VENT 3500 gal/yr F001
2. SATELLITE ACCUMULATION SIZE (1) 55gal bbl./mos., F001

KNOWN RELEASES

- e. 1. VENT 0.5 gal/day
2. SATELLITE ACCUMULATION NOT KNOWN

TEST RESULTS

- f. 1. VENT 0.5 gal/day
2. SATELLITE ACCUMULATION NA

CORRECTIVE ACTION MEASURES

- g. 1. VENT NEW DEGREASER PURCHASED DEC. 1988
2. SATELLITE ACCUMULATION NO ACTION

1.a.

1.a. E-COAT

(SEE LAYOUT)

- b. 1. TANK SIZE 900 gal. TYPE CEMENT
2. SATELLITE ACCUMULATION SIZE (1) 55gal bbl. TYPE DOT 17H
3. VENTILLATION SIZE 4,000 cfm
- c. 1. TANK DATES IN USE
2. SATELLITE ACCUMULATION DEC.'79 TO PRESENT
3. VENTILLATION JAN.'80 TO PRESENT
DEC.'79 TO PRESENT
- d. 1. TANK QUANTITY AND TYPE OF WASTE MANAGED
D008 15,100 lb./yr.
2. SATELLITE ACCUMULATION SEE OPERATING LOG ATTACHMENT
3. VENTILLATION PERMITTED 8 TON/YR. ETHYLMONOBUTYL ETHER
- e. 1. TANK KNOWN RELEASES
2. SATELLITE ACCUMULATION NOT KNOWN
3. VENTILLATION NOT KNOWN
12,622 lb/yr
- f. 1. TANK TEST RESULTS
2. SATELLITE ACCUMULATION NA
3. VENTILLATION NA
- g. 1. TANK CORRECTIVE ACTION MEASURES
2. SATELLITE ACCUMULATION NO ACTION
3. VENTILLATION NO ACTION

2.a.

1.a. ELECTROPLATING WET SCRUBBERS - (SEE LAYOUT)

b. 1. RING PLATE SILVER	4,000 cfm	TYPE	FRP
2. HAND LINE ACID	8,000 cfm	TYPE	FRP
3. HAND LINE SILVER	4,000 cfm	TYPE	FRP
3. SILVER BELKE	8,000 cfm	TYPE	FRP
4. ZINC BELKE	8,000 cfm	TYPE	FRP

DATES IN USE

c. 1. RING PLATE SILVER	DEC. '79 TO PRESENT
2. HAND LINE ACID	SEPT. '81 TO PRESENT
3. HAND LINE SILVER	SEPT. '81 TO PRESENT
4. SILVER BELKE	DEC. '79 TO PRESENT
5. ZINC BELKE	DEC. '79 TO PRESENT

QUANTITY AND TYPE OF WASTE MANAGED

d. 1. RING PLATE SILVER	PERMITTED 1.0 TON/YR
2. HAND LINE ACID	PERMITTED 0.002 lbs./hr. ACID FUMES
3. HAND LINE SILVER	PERMITTED 0.00004 lbs./hr. CYANIDE FUMES
4. SILVER BELKE	PERMITTED 1.0 TON/YR
5. ZINC BELKE	PERMITTED 0.7 TON/YR

KNOWN RELEASES

e. 1. RING PLATE SILVER	PERMITTED 2,000 lbs./yr
2. HAND LINE ACID	PERMITTED 0.002 lbs./hr. ACID FUMES
3. HAND LINE SILVER	PERMITTED 0.00004 lbs./hr. CYANIDE FUMES
4. SILVER BELKE	PERMITTED 1200 lb./yr. ALKALINE FUME
5. ZINC BELKE	PERMITTED 1080 lb./yr ALKALINE FUME

TEST RESULTS

f. 1. RING PLATE SILVER	PERMITTED 2,000 lbs./yr
2. HAND LINE ACID	PERMITTED 0.002 lbs./hr. ACID FUMES
3. HAND LINE SILVER	PERMITTED 0.00004 lbs./hr. CYANIDE FUMES
4. SILVER BELKE	PERMITTED 1200 lb./yr. ALKALINE FUME
5. ZINC BELKE	PERMITTED 1080 lb./yr ALKALINE FUME

CORRECTIVE ACTION MEASURES

g. 1. RING PLATE SILVER	NONE
2. HAND LINE ACID	NONE
3. HAND LINE SILVER	NONE
4. SILVER BELKE	NONE
5. ZINC BELKE	NONE

2.a.

1.a. DUMPSTER LOCATIONS- (SEE LAYOUT)

- | | |
|-------------------------|---------------------|
| b. 1. EAST (2) | TYPE 30cu.yd. STEEL |
| 2. WEST (1) MAINTENANCE | TYPE 3cu.yd. STEEL |
| 3. | |
| 4. | |

DATES IN USE

- | | |
|-------------------------|----------------------|
| c. 1. EAST (2) | DEC. 1978 TO PRESENT |
| 2. WEST (1) MAINTENANCE | DEC. 1978 TO PRESENT |
| 3. | |
| 4. | |

QUANTITY AND TYPE OF WASTE MANAGED

- | | |
|-------------------------|--|
| d. 1. EAST (2) | SOLID WASTE TYPE 30cu.yd. STEEL, 1,444cu yd/yr |
| 2. WEST (1) MAINTENANCE | SOLID WASTE TYPE 3cu.yd. 1,000 cu yd/yr. |
| 3. | |
| 4. | |

KNOWN RELEASES

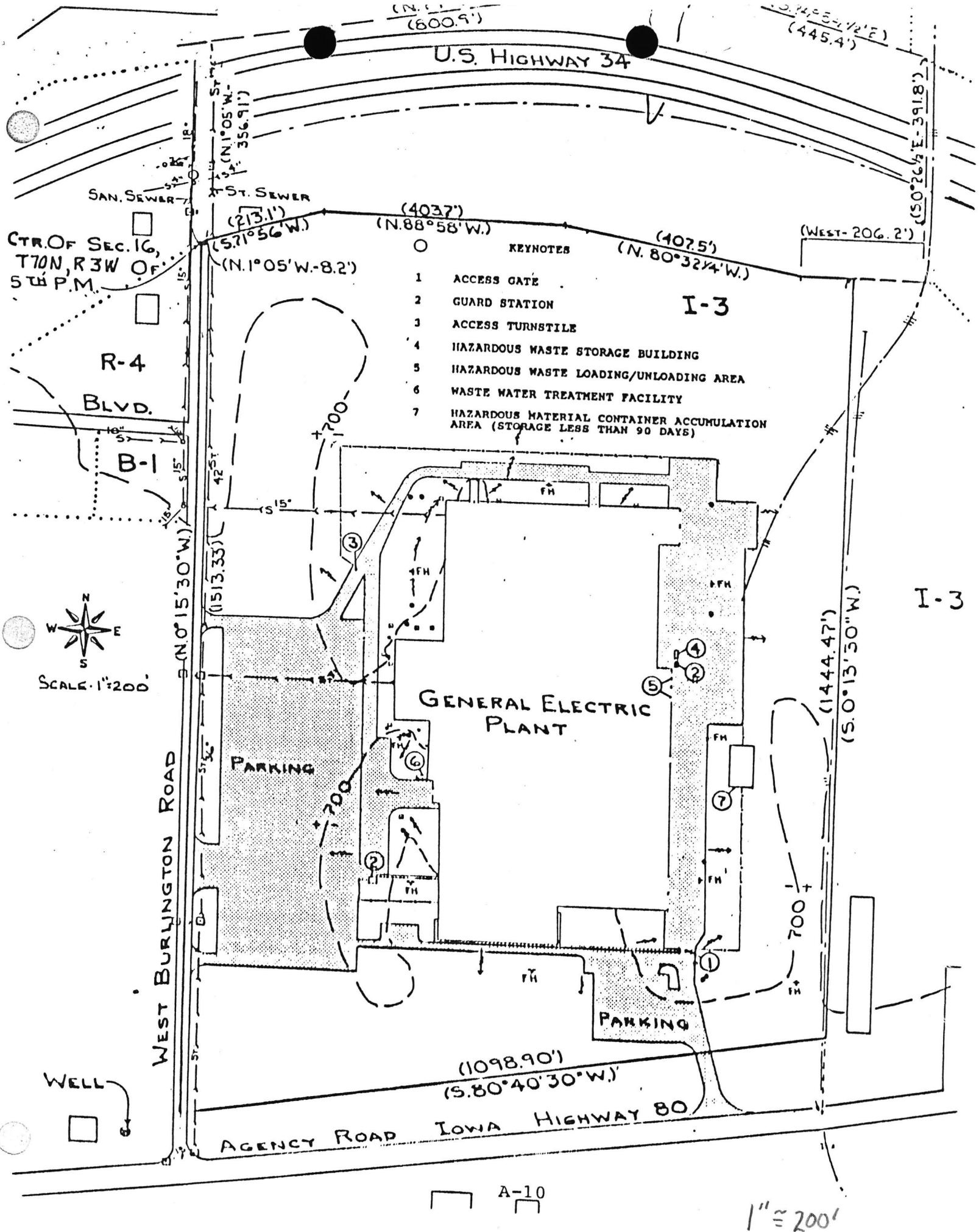
- | | |
|-------------------------|-----------|
| e. 1. EAST (2) | NOT KNOWN |
| 2. WEST (1) MAINTENANCE | NOT KNOWN |
| 3. | |
| 4. | |

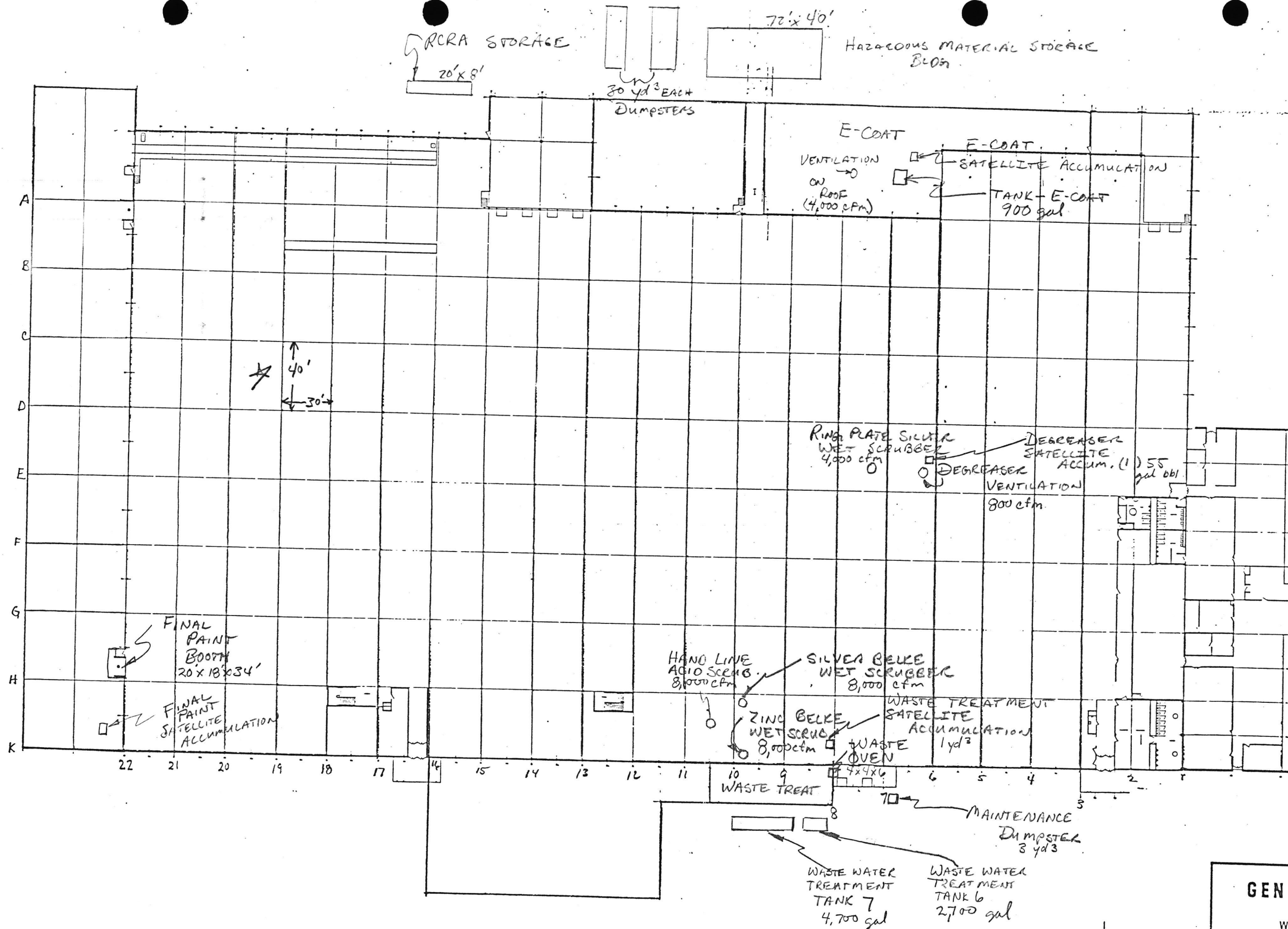
TEST RESULTS

- | | |
|-------------------------|----|
| f. 1. EAST (2) | NA |
| 2. WEST (1) MAINTENANCE | NA |
| 3. | |
| 4. | |

CORRECTIVE ACTION MEASURES

- | | |
|-------------------------|------|
| g. 1. EAST (2) | NONE |
| 2. WEST (1) MAINTENANCE | NONE |
| 3. | |
| 4. | |





GENERAL ELECTRIC

WEST BURLINGTON, IOWA
SWITCHGEAR DEPARTMENTSCALE
1"=60'-0"

BUILDING

FLOOR

PANEL

WASTE MINIMIZATION 1987. SWITCHGEAR OPERATIONS

ATTACHMENT "1"
TYPES & QUANT.

WASTE MAT'LS:

1.) HAZ. W. SOLID NOS ORM-E. 5.) W. 1,1,1 TCA
NA9189 DO08 ORM-A, UN 2831

2.) W. PAINT REL. MAT'L. NA1263 6.) W. SILVER CYANIDE SOLUT.
FLAMMABLE LIQUID F003 POISON B, UN1684 F007, F008

3.) RQ HAZ. W. SOLID NOS ORM-E 7.) W. HAZ. SUBSTANCE LIQ. NOS
NA9189 F006 (WT) ORM-E, NA9188, RQ (POLYCHLORINATED
BIPHENYLS) LIQUIDS/TRANS. CARCASS

4.) RQ HAZ. W. LIQ. NOS 8.) RQ W. NITRATE, NOS OXIDIZER
F002 ORM-E (FREON) NA1477

TSDF DESTINATIONS:

1.) LWD HIGHWAY 1523 W. 3.) WORLD RESOURCES CO. 8113 5.) UNITED REFINING & SMELT. CO. 7.) GENERAL ELECTRIC CO. 6045 S.
CALVERT CITY, KY 42029 W. SHERMAN ST. PHOENIX, AZ. 85043 3700 N. RUNGE ST., FRANKLIN PARK ILL. NOTTINGHAM AVE., CHICAGO ILL. 60638

EPA ID KYD088438817 EPA ID AZD 980 735 500 60131. STATE ID 031 096 0004 STATE FACIL. 031 671 0002

PH. (502)-395-8313 PH. # (602) 233-9166 EPA ID ILD 005 087 630 EPA ID ILD 070 015 714

2.) SAFETY-KLEEN ENVIRONMENTAL 4.) RFE INDUSTRIES, INC. FOOT OF PH. (312) 455-8800 PH. (312) 229-2000 (PCB)

633 E. 138TH ST., DOLTON ILL. 60419 JERSEY AVE. JERSEY CITY, N.J. 07302 6.) ENSCO ENVIRONMENTAL, INC. AMER. 8.) AMERICAN CHEM. & REFIN. CO.

FAC ID 031 069 0006 EPA ID NJD 055 090 815 OIL RD., ELDORADO AR. 71730 1179 N. ELLSWORTH AVE., VILLA PARK, IL

EPA ID ILD 980 613 913 PH. # (201) 451-0229 (Ag Cn) EPA ID ARD 069 748 192 60181

PH. (312) 849-4850 PH. (501) 863-7173 (W. NITRATE) EPA ID ILD 000675249

WASTE	1986	1986	1987	1987	1987 COST
MAT'L #	# DRUMS	WT/GAL	# DRUMS	WT/GAL	OF DISPOS.
1	36	16200 LB.	48	15095 LB.	-1105 LB. 7 COMBINE 1&2 COST -14.1K
2	29	1760 GAL.	27	1485 GAL.	-275 GAL. 16
3		31230 LB.		22990 LB.	-22990 GAL. * 100.0 -10.4K
4	11	344 GAL.	4	170 GAL.	-174 GAL. 51 COMBINE 4&5 COST -1.5K
5	24	1130 GAL.	18	958 GAL.	-172 GAL. 15
6	7	1050 LB.	6	896 LB.	*NET GAIN IN SILVER CYANIDE +10.8K
			5	250 GAL.	MATERIALS SHIPPED FOR RECLAIM
			10DR. F7	550 GAL.	
7	2	300 LB.	3	165 GAL.	*NET GAIN IN PCB'S DISPOSED OF IN 1987 -9.9K (AR)
			1 TRANS	4750 LB.	
			1	100 LB.	
8			2	1349 LB.	HEAT SHOCK SALT DISPOSED OF IN 1987. - .7K

SHIPPERS:

1.) FIW RR #2, PECATONICA, ILL.
61063. ILL. TRANS. ID 0015
EPA ID ILD 039 616 677
PH. (815) 239-2377

2.) TRI-STATE TRANSPORT
STATE TRANSP. ID 1513
EPA ID MOD 095 038 998
PH. (800) 641-7580 (WRC WT F006)

3.) GENERAL ELECTRIC CO. (CHICAGO)
STATE TRANSP. ID 1730
EPA ID ILD 070 015 714
PH. (312) 229-2000 (PCB)

4.) RYDER/PIE
EPA ID FLD 007922578

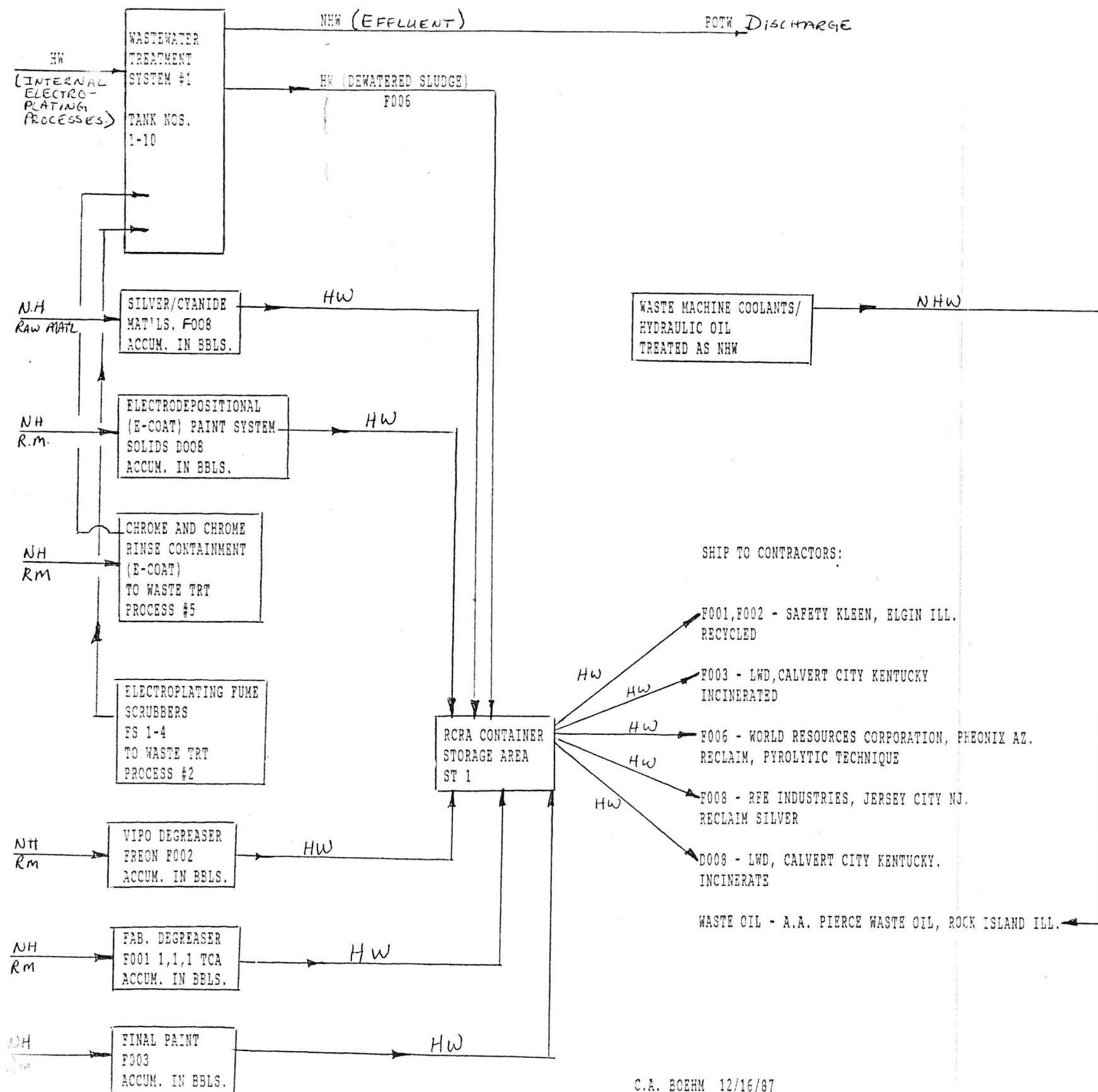
TOTAL COSTS -36.6K

* WASTE TREATMENT SLUDGE IS NOW RECYCLED IN PHEONIX
ARIZONA. UNDER RCRA REQUIREMENTS, THIS IS NO LONGER
CONSIDERED A WASTE.

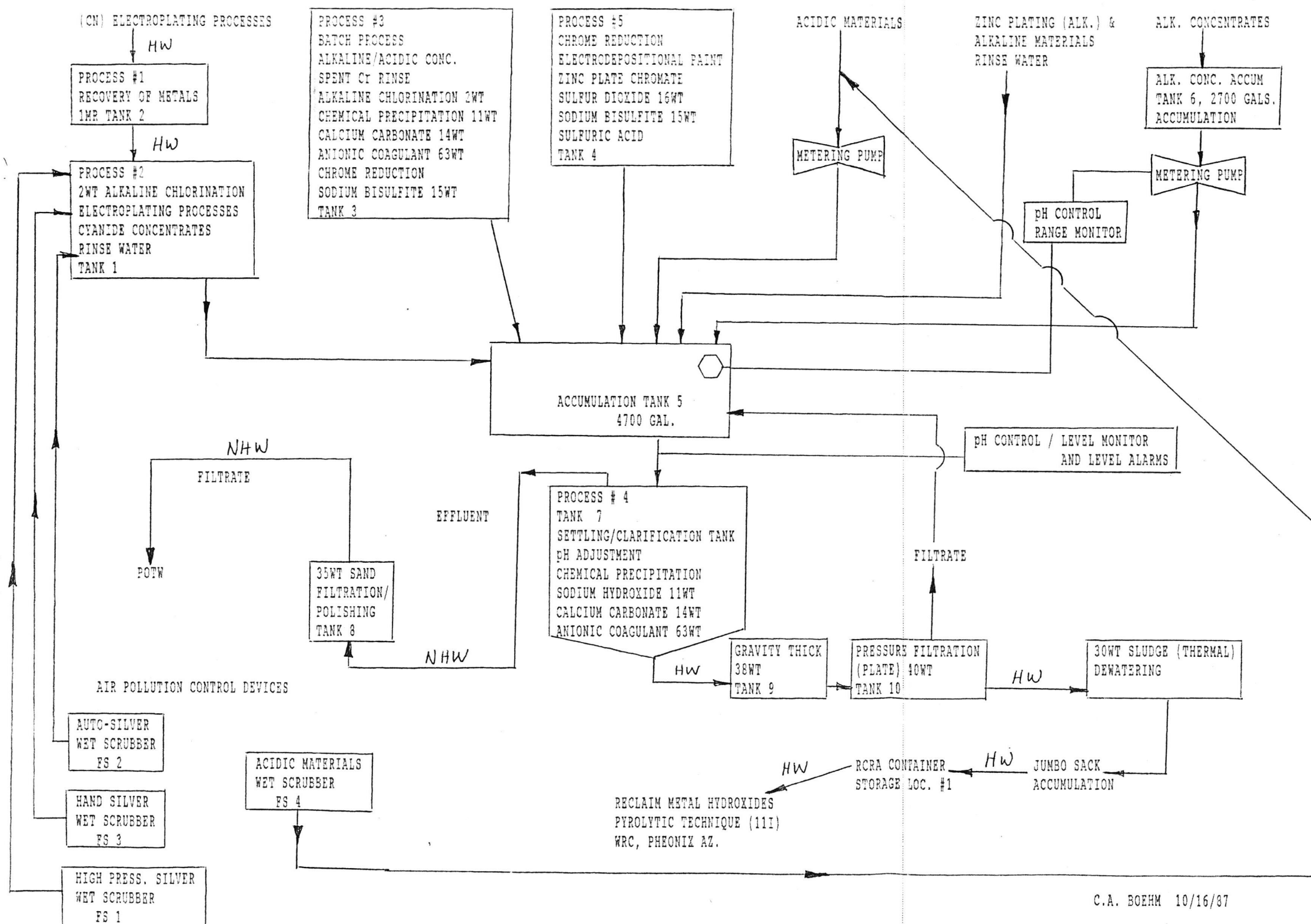
TOTAL RETURNS +10.8K

C.A.BOEHM 1/29/88

FACILITY SCHEMATIC
HAZARDOUS WASTE MANAGEMENT OPERATIONS
GENERAL ELECTRIC, W. BURLINGTON IOWA



1 WASTEWATER TREATMENT SYSTEM
TANK DESIGNATIONS FOR EPA SURVEY ONLY



INFORMATION REGARDING POTENTIAL RELEASES FROM
SOLID WASTE MANAGEMENT UNITS

50
Facility Name: GENERAL ELECTRIC SWITCHGEAR OPERATIONS
EPA ID Number: IAD 005272703
Location: (City) W. BURLINGTON (State) IOWA

For the purposes of this request for information, the following definitions apply.

1. A "Solid Waste Management Unit (SWMU)" is defined as any unit from which hazardous waste or hazardous constituents might migrate. This definition applies to active as well as inactive units containing either hazardous wastes or solid wastes, or both. Examples of SWMUs include: landfills, surface impoundments, waste piles, land treatment units, incinerators, injection wells, above and below ground tanks (including 90-day accumulation tanks), transfer stations, and waste recycling operations. In addition, the Agency has interpreted the term to apply to areas associated with production processes which have become contaminated as a result of routine and systematic releases of hazardous waste or hazardous constituents (a product may become a waste if it is discarded or abandoned).
2. "Hazardous Constituents" include those constituents listed in Appendix VIII to 40 Code of Federal Regulations (CFR) Part 261.
3. "Hazardous waste" means those solid wastes identified as hazardous waste in 40 CFR Part 261.
4. "Facility" includes all contiguous property under the control of the owner or operator on November 8, 1984, on which units subject to permitting are located.
5. "Release" includes any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment, but excluding releases otherwise permitted or authorized under the law (e.g., NPDES permitted discharges).
6. The terms "furnish," "describe," or "indicate" mean turning over to EPA either originals or duplicate copies of the requested information in the possession, custody, and/or control of the owner or operator of the facility. Where specific documents do not exist which are responsive to an information request but such information is known, you may respond to the question with a written response, without providing documents.

7. "Hazardous substance" means (a.) any substance designated pursuant to section 311(b)(2)(A) of the Federal Water Pollution Control Act, (b.) any element, compound, mixture, solution, or substance designated pursuant to Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), (c.) any hazardous waste having the characteristics identified under or listed pursuant to Section 3001 of Resource Conservation and Recovery Act (RCRA) (but not including any waste the regulation of which under RCRA has been suspended by Act of Congress), (d.) any toxic pollutant listed under Section 307(a) of the Federal Water Pollution Control Act, (e.) any hazardous air pollutant listed under Section 112 of the Clean Air Act, and (f.) any imminently hazardous chemical substance or mixture with respect to which the Administrator has taken action pursuant to Section 7 of the Toxic Substances Control Act.
-

Section 3007 of RCRA, 42 United States Code (USC) Section 6927 allows the Environmental Protection Agency to request certain information from parties who handle hazardous waste as that term is defined in Section 1004 of RCRA, 42 USC Section 6904. Pursuant to that authority, you are requested to provide a written response to the following questions to the EPA within 30 days of your receipt of this letter. Failure to respond to this information request with complete and accurate information within the time specified above may subject you to an enforcement action under Section 3008 of RCRA, 42 USC Section 6928. Such enforcement action may include the assessment of penalties of up to \$25,000 for each day of noncompliance.

Please respond to each of the following paragraphs separately, referencing EPA's specific request (i.e., by paragraph number) in your answer:

- 1.a. Provide a map showing facility boundaries and the location of all known SWMUs whether currently in operation or not. This map should be drawn to scale and clearly indicate the location and size of all SWMUs. The scale of the map should also be identified;
- b. For each SWMU identified, describe the type of unit (e.g., storage area, landfill, waste pile, etc.), and the dimensions of the unit;
- c. For each SWMU identified, indicate the dates that the unit was in use;
- d. For each SWMU identified, indicate the quantity and type(s) of wastes managed in the unit;

- e. For each SWMU identified, indicate the dates, quantity, and type(s) of any known release(s) of hazardous wastes or hazardous constituents from that SWMU;
 - f. Provide all information, data, and documentation concerning any releases occurring from a SWMU at your facility, including the results of any soil, air or water (ground or surface) testing that indicates presence of hazardous waste or hazardous constituents;
 - g. For each SWMU identified, describe any corrective action measures and any mitigating measures (e.g., replacement of water supplies) which have been completed or are currently underway to address any release(s);
- 2.a. On the map provided pursuant to paragraph 1.a. above, indicate the location of all known units at your facility, other than SWMUs, whether currently in operation or not, which hold or have held hazardous substances and from which there have been releases of hazardous wastes or hazardous constituents;
- b. For each unit identified, describe the type of unit (e.g., production area, underground storage tank) and the dimensions of the unit;
 - c. For each unit identified, indicate the dates that the unit was in use;
 - d. For each unit identified, indicate the quantity and type(s) of hazardous substances managed in the unit;
 - e. For each unit identified, indicate the dates, quantity, and type(s) of any known release(s) of hazardous wastes or hazardous constituents;
 - f. Provide all information, data, and documentation concerning any releases occurring from a unit at your facility, including the results of any soil, air or water (ground or surface) testing that indicates presence of hazardous waste or hazardous constituents;
 - g. For each unit identified, describe any corrective action measures and any mitigating measures (e.g., replacement of water supplies) which have been completed or are currently underway to address any release(s).

This information request has been approved under the requirements of the Paperwork Reduction Act of 1980, 44 USC Section 3501, et seq, clearance #2050-0059 expiring on November 30, 1988. You may, if you desire, assert a business confidentiality claim covering part or all of the information submitted to, or reviewed by, EPA. Such a claim may be made by

placing on (or attaching to) the information, at the time of its submittal to, or review by, EPA, a cover sheet, stamped or printed legend, or other suitable form of notice employing language such as "trade secret," "proprietary," or "company confidential." Allegedly confidential portions of otherwise non-confidential documents should be clearly identified and may be submitted separately to facilitate identification and handling by EPA. If confidential treatment is sought only until a certain date or until the occurrence of a certain event, the request should so state.

Information submitted for which a claim of confidentiality is made will be disclosed by EPA only to the extent and by the means authorized by the procedures specified in 40 CFR Part 2, Subpart B (1985), as amended by 50 Fed. Reg. 51654, December 18, 1985. If no such claim is made when information is received by EPA, the information may be made available to the public without further notice.

Signature and Certification

As with reports in RCRA Permit Applications, submittal of this information must contain the following certification and signature by a principal executive officer of at least the level of Vice President or by a duly authorized representative of that person:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

C. G. Boehm ^{C. G. Boel}
Signature

Myr. Stop Support
Name and Title